

HAER
CAL
36-REDLAND,
1W-

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

Santa Ana River Hydroelectric System,
SAR-3 Powerhouse
San Bernardino National Forest
Redlands Vicinity
San Bernardino County
California

HAER No. CA-130-W

David G. De Vries, photographer

October, 1991

Note: Photographs Nos. CA-130-W-1 through CA-130-W-19 are 8x10 inch enlargements from 4x5 inch negatives.

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| CA-130-W-1 | SOUTH ELEVATION, WITH TRANSFORMERS. VIEW TO NORTH-NORTHWEST. |
| CA-130-W-2 | WEST ELEVATION, SHOWING TAILRACE AND SLIDING DOOR UNDER SHED ROOF. ADMINISTRATIVE OFFICE IS IN BACKGROUND AT RIGHT. VIEW TO EAST-NORTHEAST. |
| CA-130-W-3 | NORTH AND WEST ELEVATIONS, LOOKING SOUTHEAST. |
| CA-130-W-4 | NORTH ELEVATION, SHOWING ADMINISTRATIVE OFFICES AT LEFT REAR, AND SWITCH RACK AT RIGHT REAR. VIEW TO SOUTH-SOUTHEAST. |
| CA-130-W-5 | EAST ELEVATION, WITH PENSTOCK ENTERING POWERHOUSE. VIEW TO WEST-SOUTHWEST. |
| CA-130-W-6 | INTERIOR OVERVIEW WITH TURBINE WATERWHEEL GOVERNOR. PANORAMIC VIEW 1/2, LOOKING SOUTHEAST. |

SANTA ANA RIVER HYDROELECTRIC SYSTEM,
SAR-3 POWERHOUSE
HAER No. CA-130-W
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LOOKING EAST.
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- CA-130-W-9 GENERATOR, AND CRANE IN NORTHWEST CORNER OF
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TO NORTH.
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- CA-130-W-12 TURBINE SHUT-OFF VALVE AND BATTERY BANK, LOOKING
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AND OPERATOR'S BOOTH. VIEW TO WEST.
- CA-130-W-14 CONTROL PANEL DETAIL. VIEW TO SOUTH-SOUTHEAST.
- CA-130-W-15 REAR OF CONTROL PANEL BELOW BUS. VIEW TO NORTHWEST.
- CA-130-W-16 DETAIL OF TURBINE GOVERNOR. VIEW TO SOUTHEAST.
- CA-130-W-17 ELECTRIC EXCITER, TYPE MP. VIEW TO EAST.
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- CA-130-W-19 INTERIOR OF OPERATOR'S BOOTH, WITH MANUAL TELEPHONE
AND SWITCHES. VIEW TO SOUTHWEST.

Note: Photographs Nos. CA-130-W-20 through CA-130-W-25 are 8x10 inch enlargements from 4x5 inch copy negatives of photographs curated at Southern California Edison Company (SCE), Rosemead, CA.

- CA-130-W-20 SOUTH ELEVATION, SHOWING ORIGINAL HIGH VOLTAGE GETAWAYS. SCE negative no. 10340, November 1, 1923. Photograph by G. Haven Bishop.
- CA-130-W-21 SOUTH ELEVATION, SHOWING NEW TRANSMISSION LINE GETAWAY ARRANGEMENT. SCE negative no. 15236, February 23, 1928. Photograph by G. Haven Bishop.
- CA-130-W-22 ORIGINAL DOUBLE WATERWHEELS, GENERATOR, AND GOVERNOR. SCE negative no. 15237, February 23, 1928. Photograph by G. Haven Bishop.
- CA-130-W-23 ORIGINAL GENERATING EQUIPMENT, LOOKING NORTHEAST. SCE negative no. 10337, November 1, 1923. Photograph by G. Haven Bishop.
- CA-130-W-24 TELEPHONE BOOTH (LEFT), TRANSFORMERS (RIGHT), AND OIL CIRCUIT BREAKERS (TOP). SCE negative no. 10341, November 1, 1923. Photograph by G. Haven Bishop.
- CA-130-W-25 SWITCHBOARD (LEFT) AND TELEPHONE BOOTH (RIGHT). SCE negative no. 15238, February 23, 1928. Photograph by G. Haven Bishop.

Note: Photographs Nos. CA-130-W-26 through CA-130-W-34 are 8x10 inch contact prints from copy negatives of recent blue line prints from original engineering drawings curated at Southern California Edison Company (SCE), Rosemead, CA.

- CA-130-W-26 BUILDING PLANS FOR MENTONE POWER HOUSE, PACIFIC LIGHT AND POWER CO., OCT. 7, 1903. R.S. MASSON, CONSULTING ELECTRICAL ENGINEER, SAN FRANCISCO AND LOS ANGELES. SCE drawing no. 52306.

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- CA-130-W-27 DUCT LINES AND HOLES TO BE LEFT IN TRANSFORMER ROOM AND GALLERY, MENTONE, MAR. 13, 1904. R.S. MASSON, CONSULTING ELECTRICAL ENGINEER, SAN FRANCISCO AND LOS ANGELES. SCE drawing no. 52319.
- CA-130-W-28 PLANS AND SECTIONS OF POWERHOUSE. SANTA ANA NO. 3, EXHIBIT L, JAN. 25, 1956 (SHEET 8; FOR FILING WITH FEDERAL POWER COMMISSION). SCE drawing no. 541729.
- CA-130-W-29 ELECTRICAL EQUIPMENT. PLAN FOR POWER HOUSE, SANTA ANA RIVER P.H. NO. 3, JUNE 23, 1943; REVISIONS, MAR. 14, 1945 AND MAY 17, 1954. SCE drawing no. 523219-2.
- CA-130-W-30 PLAN AND SECTIONS SHOWING INSTALLATION OF HYDRAULIC TURBINE UNIT FROM KAWEAH NO. 2 REPLACING EXISTING UNIT, SANTA ANA RIVER NO. 3, JUNE 21, 1945. SCE drawing no. 523126-1.
- CA-130-W-31 CRANE RUNWAY FOR 5-TON PUSH TYPE CRANE, SANTA ANA RIVER NO. 3, SEPT. 4, 1945. SCE drawing no. 523856-2.
- CA-130-W-32 SHAW BOX 5 TON CRANE, SANTA ANA RIVER NO. 3, JAN. 24, 1977. SCE drawing no. 455678-0.
- CA-130-W-33 A.C. PANEL FOR MENTONE POWER HOUSE, P.L. & P. CO., LOS ANGELES. RETRACED FROM MASSON'S DRAWING NO. C-275. JAN. 20, 1909. SCE drawing no. 52880.
- CA-130-W-34 ELEVATION OF RELAY AND CONTROL SWITCHBOARD, SANTA ANA RIVER P.H. #3, JUNE 23, 1943. SCE drawing no. 413187-1.